

 Where needs take us

ALL YOUR NANO-TECH NEEDS IN ONE PLACE

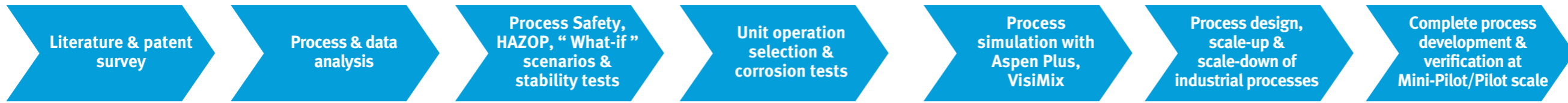
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INTEGRATED WORKING METHODOLOGY FOR PROCESS DEVELOPMENT



NANO-TECH PLATFORM FROM CONCEPT TO PRODUCT

- Leading R&D center with more than 55 years of experience
- More than 10 years of experience in nano-materials process development
- Top-down and Bottom-up preparation of Nano particles
- Strategic partnerships with nano-tech start-ups
- Collaboration with academic centers
- Proven capabilities of process development to full scale production & spin-off
- Working experience with start-ups & with well-established companies

NANO-TECH EQUIPMENT

- Membrane separation, filtration, washing & concentration of nano suspensions
- Centrifuge, decanter, clarifier & dryer
- Microreactor for multi-phase reactions
- Preparation of nano suspensions by milling
- Multipurpose reactors from 16-2000 L glass, glass-lined, stainless steel & Hastelloy C
- Reactor pressure up to 100 bar (0.5-20 L)
- RC-1 reaction calorimeter

NANO MATERIAL CHARACTERIZATION

- PSD from 0.1-1000 nanometer
- Zeta potential
- SEM
- XRD
- BET
- ICP, ICP-MS
- On-line crystallization detection: PSD & Imaging

